

### ABSTRACT

System and method for non-invasive lysis of sub-dermal tissue by means of focused ultrasonic energy, the system comprising: a source of ultrasonic energy adapted to operate in continuous wave mode and to focus ultrasonic energy in a focal zone within the sub-dermal tissue, the ultrasonic energy being adapted to induce tissue cavitation in the focal zone; means for continuous displacement of the source over the skin surface; and means for determining a safe speed for the displacement, the safe speed allowing to avoid thermal tissue damage. The source of ultrasonic energy is accommodated in a hand-held applicator including a wheeled traction system powered by an electric drive.